

Notice of Allowability	Application No.	Applicant(s)	
	10/615,123	KRENZKE, RAINER	
	Examiner	Art Unit	
	My-Trang N. Ton	2816	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Tel. Int. 05/03/04.
2. ☒ The allowed claim(s) is/are 1-31.
3. ☒ The drawings filed on 08 July 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

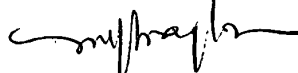
* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>05/03/04</u> 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>05/03/04</u>. 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|---|---|


MY-TRANG N. TON
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Att. Ackerman on May 03, 2004.

In the specification

Under "Related patent application" section, line 2, after "serial number", insert – 10/614, 663 --, and after "filed on", insert – July 7, 2003 --.

In the claims

In claim 1,

line 4, before "output", replace "an" with – the --;

lines 21, 23 and 25, replace "an" (last occurrence) with – the --.

In claims 2-3, lines 1-2, before "static", replace – a – with "the".

In claims 4-7,

line 1, before "high", replace "a" with – the --;

line 2, before "proportional", replace "a" with – the --.

In claim 8, line 2, before "proportional", replace "a" with – the --.

In claims 9-10, line 1, before "low", replace "a" with – the --.

In claim 11, line 22, after "with", replace "said" with – a --.

In claims 12-13, lines 1-2, before "static", replace – a – with "the".

In claims 14-15,

line 1, before "dynamic", replace "a" with – the --;

line 2, before "proportional", replace "a" with – the --.

In claim 25, line 3, before "clock", replace "a" with – the --.

In claim 26,

line 1, before "low", replace "a" with – the --;

line 2, before "digital", replace "a" with – the --; and before "comparator", replace "a" with – the --.

In claim 27, line 2, before "digital" (both occurrence), replace "a" with – the --.

In claim 28, line 2, before "current", replace "a" with – the --.

Reasons for allowance

The following is an examiner's statement of reasons for allowance:

The present invention is drawn to a circuit capable of driving higher loads for higher voltages and higher currents with slew rate controlled output signals utilizing means for transforming, means for combining, means for mirroring, means for generating, a clock generator, an output driver circuit and means for driving recited in claims 1-31. None of the prior art disclosed or suggested to show the particular structure and/or the particular operation recited in these claims namely: the combination of all the methods steps as recited in claim 1; the combination of "means for transforming ...", "means for combining...", "means for mirroring...", "means for generating..." "performing differential transactions... a clock generator", "converting ...

related reference", "feeding ... a digital output signal", "convert ... and output driver circuit" and "means for driving ... from said output driver" as recited in claim 11.

The prior art references submitted by the applicant on IDS forms received on 02/19/04 & 10/14/03 were reviewed and considered. These references appear to be the best references with respect to the claimed invention and closely matched most of the references found during the examiner's searches. However, as noted above, the combination of all the elements is not disclosed. Therefore, the claims are patentably distinct over all these prior art references of record.

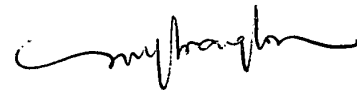
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to My-Trang N. Ton whose telephone number is 571-272-1754. The examiner can normally be reached on 7:00 a.m - 5:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Callahan can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

May 3, 2004



**MY-TRANG NUTON
PRIMARY EXAMINER**